

ENERGY MANAGEMENT (CSP Enhancements)

October 2005

Colorado Enhancement Activity Job Sheet E-3

Name: _____

STIR Ratings (Less Than 60, 30 & 15)

Payment = \$ 0.90 / Acre / Year for STIR rating less than 15
 \$ 0.70 / Acre / Year for STIR rating less than 30
 \$ 0.50 / Acre / Year for STIR rating less than 60

Soil Tillage Intensity Rating (STIR) is a calculation based on the location of cropland and the Crop Management System that the producer employs on that land. It is an index used to evaluate the kind, severity, and number of ground disturbing tillage passes on soil quality. Higher numbers indicate greater disturbance; lower numbers indicate less disturbance.

The components of STIR are: operating speed of tillage equipment, tillage type, tillage depth, and the percent of surface area disturbed. Weights are assigned to each component to calculate a rating. This rating is useful in making residue management decisions. It is one of three outputs from the Revised Universal Soil Loss Equation Version 2.0. (RUSLE2). The other outputs are a soil loss estimate and a soil organic matter trend estimate from the Soil Conditioning Index.

Documentation Required: Attach STIR ratings from RUSLE2.

I certify that the information provided for calculating the STIR in RUSLE2 is correct.

Name: _____ Date: _____